

Applicants: Nicholas V. Nechitailo
Serial No. : 10/779,555
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Attorney Docket No.: Navy Case 84629

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for enhancing launch and in-flight integrity of a reactive composite projectile, comprising the steps of:

providing a reactive composite material in a solid form, said solid form consisting of one of a sphere and a cube;

disposing an elongate structure in a central portion of said solid form, said elongate structure made from a material having a mass density that is approximately 2 to 10 times said mass density of said reactive composite material, said elongate structure having an elongate core with fin-like protuberances extending radially outward from said elongate core into said solid form; and

encasing the solid form in an encasement material that applies a compressive force to the solid shape.

- 2-6. (Cancelled)

7. (Currently Amended) A reactive composite projectile, comprising:

a reactive composite material in a solid form, said solid form consisting of one of a sphere and a cube;

an elongate structure positioned in a central portion of said solid shape, said elongate structure made from a material having a mass density that is approximately 2 to 10 times said mass density of said reactive composite material, said elongate structure having an elongate core with fin-like protuberances extending radially outward from said elongate core into said solid form; and

an encasement material applied to and surrounding said solid form for exerting compressive forces thereon.

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8-33. (Cancelled)

34. (Currently Amended) A reactive composite projectile, comprising:

a reactive composite material in a solid form, said reactive composite material having a mass density, said solid form consisting of one of a sphere and a cube; and

an elongate structure positioned in a central portion of said solid shape, said elongate structure made from a material having a mass density that is approximately 2 to 10 times said mass density of said reactive composite material, said elongate structure having an elongate core with fin-like protuberances extending radially outward from said elongate core into said solid form.

35. (Original) A reactive composite projectile as in claim 34 wherein said elongate structure comprises a one-piece structure.

36. (Cancelled)

37. (Original) A reactive composite projectile as in claim 34 wherein said fin-like protuberances extend longitudinally along said elongate core.

38-41. (Cancelled)

42. (Previously Presented) A reactive composite projectile as in claim 34 further comprising an encasement material applied to and surrounding said solid form for exerting compressive forces thereon.

43-47. (Cancelled)